

CLAIMS

1. A composition for cord coating comprising a latex of a first rubber, a phenol resin, and a water-soluble condensation product of resorcinol-formaldehyde so that a ratio of the first rubber to a solid content of the composition, a ratio of the phenol resin thereto, and the ratio of the water soluble condensation product thereto are 30 to 95 wt.%, 0.01 to 30 wt.%, and 2 to 15 wt.%, respectively, wherein
the first rubber is a nitrile group-containing highly saturated polymer rubber having an iodine value of 120 or less, and
the water-soluble condensation product is a novolac-type condensation product.
2. The composition for cord coating according to claim 1, comprising a latex of a second rubber different from the first rubber so that a ratio of the second rubber to a solid content of the composition is 60 wt.% or less.
3. The composition for cord coating according to claim 2, wherein the latex of a second rubber is at least one latex selected from the group consisting of a butadiene-styrene copolymer latex, a dicarboxylated butadiene-styrene copolymer latex, a vinylpyridine-butadiene-styrene terpolymer latex, an isoprene rubber latex, a chloroprene rubber latex, a chlorosulfonated polyethylene latex, and an acrylonitrile-butadiene copolymer latex having an iodine value of above 120.
4. A reinforcing cord for rubber reinforcement comprising a reinforcing fiber and a coating layer formed so that the reinforcing fiber is coated, wherein
the coating layer is formed of a composition for cord coating,
the composition for cord coating includes a latex of a first rubber, a phenol resin, and a water-soluble condensation product of resorcinol-formaldehyde so that a ratio of the first rubber to a solid content of the composition, the ratio of the phenol resin thereto, and the ratio of the water-soluble condensation product are 30 to 95 wt.%, 0.01 to 30 wt.%, and 2 to 15 wt.%, respectively,
the first rubber is a nitrile group-containing highly saturated polymer

rubber having an iodine value of 120 or less, and
the water-soluble condensation product is a novolac-type condensation product.

- 5 5. The reinforcing cord for rubber reinforcement according to claim 4,
wherein the composition for cord coating comprises a latex of a second rubber
different from the first rubber so that a ratio of the second rubber to a solid
content of the composition is 60 wt.% or less.
- 10 6. The reinforcing cord for rubber reinforcement according to claim 5,
wherein the latex of a second rubber is at least one latex selected from the
group consisting of a butadiene-styrene copolymer latex, a dicarboxylated
butadiene-styrene copolymer latex, a vinylpyridine-butadiene-styrene
terpolymer latex, an isoprene rubber latex, a chloroprene rubber latex, a
15 chlorosulfonated polyethylene latex, and an acrylonitrile-butadiene copolymer
latex having an iodine value of above 120.
7. The reinforcing cord for rubber reinforcement according to claim 4,
wherein a weight of the coating layer is in a range of 5 to 40% of a weight of the
20 reinforcing fiber.
8. The reinforcing cord for rubber reinforcement according to claim 4,
wherein the reinforcing fiber is at least one fiber selected from the group
consisting of a glass fiber, an aramid fiber and a carbon fiber.
- 25 9. The reinforcing cord for rubber reinforcement according to claim 4,
wherein the coating layer is further coated with another coating layer.
10. A rubber product reinforced by the reinforcing cord for rubber
30 reinforcement according to claim 4.